

Morbidity and Mortality

Weekly
Report

U. S. DEPARTMENT OF HEALTH, EDUCATION, AND WELFARE
PUBLIC HEALTH SERVICE

Prepared by the COMMUNICABLE DISEASE CENTER 634-5131

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ATLANTA 22, GEORGIA

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PROVISIONAL INFORMATION ON SELECTED NOTIFIABLE DISEASES IN THE UNITED STATES AND ON
DEATHS IN SELECTED CITIES FOR WEEK ENDED MAY 4, 1963

DIPHTHERIA — Cumulative reported cases of diphtheria through the eighteenth week this year are once again at record low levels. (See graph page 150.) The rate of decline in reported diphtheria cases, reasonably constant since 1945, shows some evidence of an accelerated decline this year. Cumulative cases through the 18th week for 1959-1963 and total cases for the years 1959-1962 are shown below:

No. of Cases	1963	1962	1961	1960	1959
Through 18th Week	105	177	252	281	312
Total for Year	458*	617	918	934	

* Provisional

Notably, over half of the cases reported this year are from the Northern States. Only two States have recorded more than 10 cases; Minnesota with 15 cases and New York with 12.

EPIDEMIOLOGICAL REPORTS

Anthrax — New Mexico

Two reported and three additional probable human cases of cutaneous anthrax occurred on an Indian Reservation in Taos Pueblo, New Mexico, in the latter part of October 1962. At least 16 cases of anthrax in cattle and swine were also thought to have occurred.

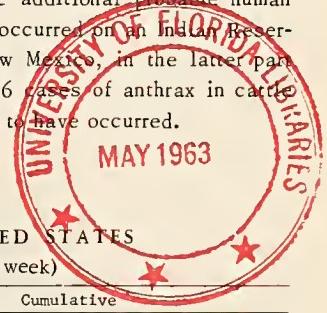

MAY 1963

Table 1. CASES OF SPECIFIED NOTIFIABLE DISEASES: UNITED STATES
(Cumulative totals include revised and delayed reports through previous week)

Disease	18th Week			Cumulative		
	Ended May 4, 1963	Ended May 5, 1962	Median 1958 - 1962	First 1963	18 weeks 1962	Median 1958 - 1962
Aseptic meningitis.....	22	19	---	393	331	---
Brucellosis.....	7	12	13	118	129	235
Diphtheria.....	4	12	12	105	177	270
Encephalitis, infectious.....	37	20	29	490	519	479
Hepatitis, infectious and serum.....	802	1,163	813	18,009	24,150	13,851
Measles.....	17,341	23,971	22,108	229,442	288,700	247,295
Meningococcal infections.....	75	40	44	1,077	898	1,007
Poliomyelitis, total.....	1	9	12	46	101	272
Paralytic.....	1	8	8	42	72	196
Nonparalytic.....	-	-	2	2	13	46
Unspecified.....	-	1	2	2	16	30
Streptococcal sore throat and Scarlet fever.....	7,519	7,311	---	169,916	153,042	---
Tetanus.....	11	7	---	68	53	---
Tularemia.....	6	1	---	70	87	---
Typhoid fever.....	8	9	13	125	140	.181
Typhus fever, tick-borne, (Rocky Mountain spotted).....	1	4	---	4	9	---
Rabies in Animals.....	98	95	77	1,378	1,538	1,494

Table 2. NOTIFIABLE DISEASES OF LOW FREQUENCY

Anthrax:	Cum. 1	Psittacosis:	Cum. 21
Botulism:	5	Rabies in Man:	-
Malaria:	34	Smallpox:	-
Plague:	-	Typhus, murine: s.c. - 1	3

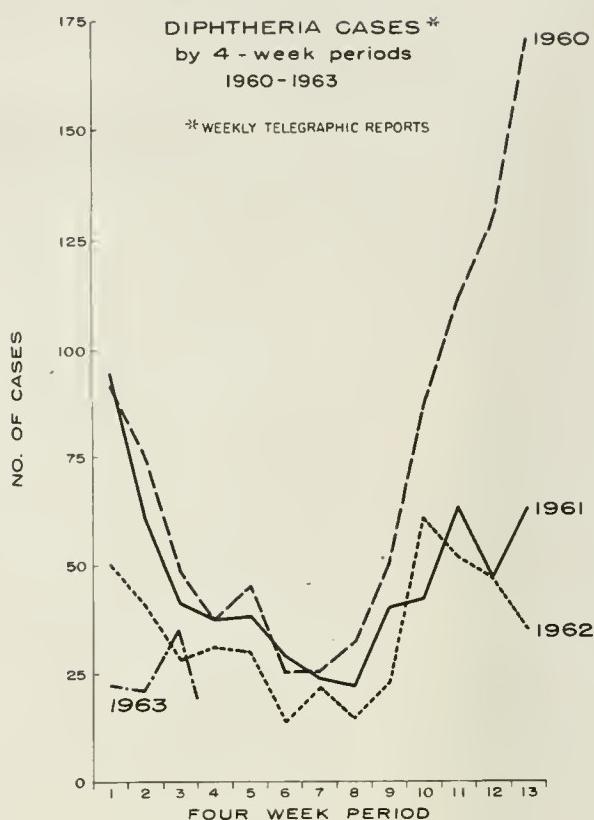
The first evidence of the outbreak was on Sunday, October 14, when a white-faced steer was found dead. It was known to have been healthy one day prior to its death. An Indian and his wife found the animal in the community pasture and eviscerated the animal, disposing of the entrails in a creek that passed through the community. They cut up the beef for "jerky", air-dried meat that is used for human consumption either with or without further cooking. Samples of this meat were later found to contain spores of *Bacillus anthracis*. A friend of the couple took the hide and soaked it in creek water, in preparation for making drums and moccasins. Some of the freshly cut up meat was given to 25 friends of the couple, at least two of whom ate the meat raw. Most of the Pueblo residents ate portions of the other freshly cut up meat in a well-cooked stew that was prepared for a ceremony. No illness resulted. The unusable portions of the meat and bones were scattered for dogs and swine to consume at their leisure.

On October 20, two slightly swollen, itching areas appeared on the forearm of the woman who originally found the dead steer. She initially regarded them as insect bites but, because of their persistence, went to a nearby clinic. When seen, the lesions were somewhat raised in the center with a small erythematous border. She was given bacitracin and terramycin, and instructed to soak the infected areas. A day later, her arm had become swollen and edematous to the shoulder with some edema spreading out over the pectoral muscles. She had numerous blebs on her forearm with a green-violet discolored area of the arm. *Bacillus anthracis* was cultured from the lesions. The patient was hospitalized and, under treatment, recovered uneventfully.

On October 24, the son of one of the men to whom freshly cut up meat had been given appeared at the clinic with two small lesions on the right upper and lower eyelids. Erythema and swelling was noted above the eye, which was nearly closed. There was extensive edema of the scalp and right side of the face. He recovered under treatment.

On October 25, the Indian who found the dead carcass appeared at the local clinic with a lesion on his right hand. It was characterized as a punched out, very deep ulcer with raised edges, black discoloration at the base, and surrounding erythema. In spite of the depth and proximity to the fifth metacarpal periosteum, the patient experienced no pain and only slight itching about the lesion. He was not treated for this lesion though it is suspected that he may have consumed some of the tetracycline capsules given to his wife.

Shortly thereafter, a fourth Indian was seen with a similar finger lesion. This man refused to be examined by local health personnel, but was seen casually outside the clinic, perhaps a week later, where a black eschar



was noted at the base of his ulcerated finger lesion with modest surrounding erythema.

A fifth person, an Indian youth, was seen on November 14 by a local veterinarian. He was noted to have two black eschars on his upper lip. Upon questioning, the boy admitted burying two swine that had died by strangulation approximately 3 to 4 weeks previously. (Anthrax deaths in swine are usually the result of strangulation caused by massive cervical lymphadenopathy.) Ulcers had appeared on his upper lip two weeks later, followed by edema of both lips and the anterior nares. He had experienced some itching but no pain. The lesions subsided spontaneously.

Although the first known case among cattle occurred on October 14, some carcasses had been noted earlier in surrounding pastures. At least 12 cattle had died with symptoms consistent with anthrax. In addition to the two swine who died of strangulation, two others were seen who appeared listless with evidence of swollen jowls and recent weight loss. A mass immunization program for the cattle in the area was carried out.

(Reported by Dr. H. Gordon Doran, Jr., New Mexico Department of Public Health; Dr. Jack Hill, Department of Agriculture, Animal Disease Eradication Division; Dr. Harold Fleetwood, USPHS Clinic, Taos Pueblo, New Mexico; and a physician from the Communicable Disease Center.)

Tetanus - Arkansas - 1958-1962

A review of human tetanus cases in Arkansas over the past five years was recently carried out by the State Board of Health. Of the 47 cases occurring during this period, 35 were fatal. The age distribution of the cases is shown below:

CASES OF TETANUS - ARKANSAS - 1958-1962

	MALE	FEMALE	TOTAL	DEATHS
Neonatal (first 28 days)	5	5	10	10
1-4	2	0	2	1
5-9	2	0	2	0
10-19	4	2	6	4
20-29	2	0	2	2
30-39	1	0	1	0
40-49	3	2	5	4
50-59	4	2	6	3
60 +	7	6	13	11
	30	17	47	35

Ten of the 47 could be classified as tetanus neonatorum. The remainder are scattered by age group; notably, 25 of the 37 occurred among males.

An effort was made to classify the type of injury preceding the disease in each case. Surprising is the frequency with which tetanus was associated with apparently trivial wounds.

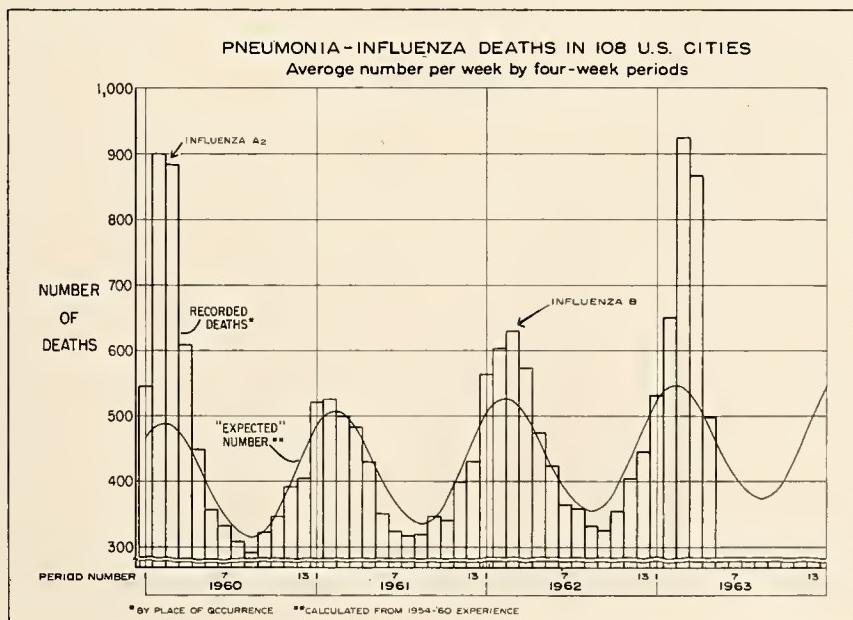
TYPE OF WOUND ASSOCIATED WITH OCCURRENCE OF TETANUS
(Excluding neonatal cases)

Puncture Wound	12
Cut, abrasion, blister, or bruise	9
Gangrene associated with burns, frostbite or diabetes	4
Splinter	2
Fracture	1
Unknown or classification uncertain	9
	37

PNEUMONIA-INFLUENZA DEATHS IN 108 CITIES

The weekly average number of pneumonia-influenza deaths for the four-week period ending May 4 was 498 as compared with an expected weekly average of 484.

	WEEK ENDING				4 Week Total	Weekly Average
	4/13	4/20	4/27	5/4		
Observed	512	540	481	457	1,990	498
Expected	499	489	479	468	1,935	484
Excess	13	51	2	-11	55	14



(See table, page 155)

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Table 3. CASES OF SPECIFIED NOTIFIABLE DISEASES: UNITED STATES
FOR WEEKS ENDED
MAY 4, 1963 AND MAY 5, 1962

Area	Poliomyelitis, total cases				Poliomyelitis, paralytic				Poliomyelitis, nonparalytic		Aseptic Meningitis	
	18th week		Cumulative First 18 weeks		18th week		Cumulative First 18 weeks		18th week		18th week	
	1963	1962	1963	1962	1963	1962	1963	1962	1963	1962	1963	1962
UNITED STATES.....	1	9	46	101	1	8	42	72	-	-	22	19
NEW ENGLAND.....	-	-	-	1	-	-	-	-	1	-	-	-
Maine.....	-	-	-	-	-	-	-	-	-	-	-	-
New Hampshire.....	-	-	-	-	-	-	-	-	-	-	-	-
Vermont.....	-	-	-	-	-	-	-	-	-	-	-	-
Massachusetts.....	-	-	-	-	-	-	-	-	-	-	-	-
Rhode Island.....	-	-	-	-	-	-	-	-	-	-	-	-
Connecticut.....	-	-	-	1	-	-	-	-	1	-	-	-
MIDDLE ATLANTIC.....	-	-	6	30	-	-	6	17	-	-	1	1
New York.....	-	-	4	30	-	-	4	17	-	-	1	-
New Jersey.....	-	-	1	-	-	-	1	-	-	-	-	-
Pennsylvania.....	-	-	1	-	-	-	1	-	-	-	-	1
EAST NORTH CENTRAL.....	-	1	11	10	-	-	10	6	-	-	-	2
Ohio.....	-	-	4	4	-	-	3	4	-	-	-	-
Indiana.....	-	-	-	3	-	-	-	2	-	-	-	-
Illinois.....	-	-	5	2	-	-	5	-	-	-	-	1
Michigan.....	-	-	2	-	-	-	2	-	-	-	-	1
Wisconsin.....	-	1	-	1	-	-	-	-	-	-	-	-
WEST NORTH CENTRAL.....	-	-	1	7	-	-	1	4	-	-	2	1
Minnesota.....	-	-	-	1	-	-	-	1	-	-	2	-
Iowa.....	-	-	-	3	-	-	-	2	-	-	2	1
Missouri.....	-	-	1	3	-	-	1	1	-	-	-	-
North Dakota.....	-	-	-	-	-	-	-	-	-	-	-	-
South Dakota.....	-	-	-	-	-	-	-	-	-	-	-	-
Nebraska.....	-	-	-	-	-	-	-	-	-	-	-	-
Kansas.....	-	-	-	-	-	-	-	-	-	-	-	-
SOUTH ATLANTIC.....	-	1	5	9	-	1	4	7	-	-	3	1
Delaware.....	-	-	-	-	-	-	-	-	-	-	-	-
Maryland.....	-	-	-	-	-	-	-	-	-	-	-	-
District of Columbia.....	-	-	-	1	-	-	-	-	-	-	-	-
Virginia.....	-	-	-	2	-	-	-	-	2	-	-	-
West Virginia.....	-	-	-	-	-	-	-	-	-	-	-	-
North Carolina.....	-	1	2	2	-	1	2	2	-	-	-	-
South Carolina.....	-	-	-	-	-	-	-	-	-	-	-	-
Georgia.....	-	-	1	1	-	-	-	1	-	-	-	-
Florida.....	-	-	2	3	-	-	2	2	-	-	3	1
EAST SOUTH CENTRAL.....	-	-	3	3	-	-	2	2	-	-	3	2
Kentucky.....	-	-	-	1	-	-	-	1	-	-	-	1
Tennessee.....	-	-	1	1	-	-	1	-	-	-	1	-
Alabama.....	-	-	2	1	-	-	1	1	-	-	1	1
Mississippi.....	-	-	-	-	-	-	-	-	-	-	1	1
WEST SOUTH CENTRAL.....	-	5	11	27	-	5	11	24	-	-	4	-
Arkansas.....	-	-	-	1	-	-	-	1	-	-	-	-
Louisiana.....	-	-	9	5	-	-	9	5	-	-	-	-
Oklahoma.....	-	-	-	-	-	-	-	-	-	-	2	-
Texas.....	-	5	2	21	-	5	2	18	-	-	2	-
MOUNTAIN.....	-	-	-	5	-	-	-	4	-	-	-	6
Montana.....	-	-	-	2	-	-	-	1	-	-	-	1
Idaho.....	-	-	-	-	-	-	-	-	-	-	-	-
Wyoming.....	-	-	-	-	-	-	-	-	-	-	-	-
Colorado.....	-	-	-	-	-	-	-	-	-	-	-	5
New Mexico.....	-	-	-	-	-	-	-	-	-	-	-	-
Arizona.....	-	-	-	2	-	-	-	2	-	-	-	-
Utah.....	-	-	-	1	-	-	-	1	-	-	-	-
Nevada.....	-	-	-	-	-	-	-	-	-	-	-	-
PACIFIC.....	1	2	9	9	1	2	8	7	-	-	9	6
Washington.....	-	-	-	-	-	-	-	-	-	-	3	-
Oregon.....	-	-	1	-	-	-	1	-	-	-	-	-
California.....	1	2	8	9	1	2	7	7	-	-	6	6
Alaska.....	-	-	-	-	-	-	-	-	-	-	-	-
Hawaii.....	-	-	-	-	-	-	-	-	-	-	-	-
Puerto Rico.....	-	-	2	5	-	-	2	5	-	-	-	-

Table 3. CASES OF SPECIFIED NOTIFIABLE DISEASES: UNITED STATES
FOR WEEKS ENDED
MAY 4, 1963 AND MAY 5, 1962 - (Continued)

Area	Brucellosis		Diphtheria		Encephalitis, infectious		Hepatitis, infectious and serum			Measles		
	18th week	Cumu- lative 18 weeks	18th week	Cumu- lative 18 weeks	18th week	18th week		18th week		18th week	18th week	
						Under 20 yr.	20 & over	Total	18th week			
	1963	1963	1963	1963	1963	1963	1963	1963	1962	1963	1962	
UNITED STATES.....	7	118	4	105	37	20	397	325	802	1,163	17,341	23,971
NEW ENGLAND.....	-	-	-	4	2	2	39	35	75	57	717	3,072
Maine.....	-	-	-	-	-	-	14	9	23	10	14	246
New Hampshire.....	-	-	-	-	-	-	6	2	8	9	1	53
Vermont.....	-	-	-	-	-	-	-	1	1	2	114	76
Massachusetts.....	-	-	-	2	1	2	12	16	29	22	301	1,460
Rhode Island.....	-	-	-	2	1	-	-	1	1	2	33	167
Connecticut.....	-	-	-	-	-	-	7	6	13	12	254	1,070
MIDDLE ATLANTIC.....	-	4	1	17	8	2	66	61	129	143	2,029	5,250
New York.....	-	3	1	12	3	2	35	37	72	54	762	2,502
New Jersey.....	-	-	-	1	-	-	13	17	32	36	733	2,488
Pennsylvania.....	-	1	-	4	5	-	18	7	25	53	534	260
EAST NORTH CENTRAL.....	3	10	2	11	2	3	71	48	137	235	7,618	3,329
Ohio.....	-	-	-	-	1	-	18	12	33	64	668	708
Indiana.....	1	1	1	4	-	-	10	2	12	35	321	555
Illinois.....	1	8	-	3	1	2	17	14	35	71	382	912
Michigan.....	1	1	1	3	-	1	23	18	46	58	2,703	840
Wisconsin.....	-	-	-	1	-	-	3	2	11	7	3,544	314
WEST NORTH CENTRAL.....	2	86	1	30	2	2	37	14	62	85	738	678
Minnesota.....	1	7	-	15	1	-	5	1	9	22	102	92
Iowa.....	-	61	-	1	-	-	17	7	24	22	282	244
Missouri.....	-	4	-	1	-	-	11	5	19	20	151	96
North Dakota.....	-	-	-	1	-	-	-	1	1	4	200	219
South Dakota.....	-	3	1	8	1	-	3	-	4	1	1	12
Nebraska.....	1	5	-	4	-	-	1	-	5	4	2	15
Kansas.....	-	6	-	-	-	2	-	-	-	12	NN	NN
SOUTH ATLANTIC.....	1	2	-	19	4	4	37	30	73	135	1,351	1,144
Delaware.....	-	-	-	-	-	-	-	1	1	-	76	9
Maryland.....	-	-	-	-	1	-	2	2	4	11	70	121
District of Columbia.....	-	-	-	-	-	-	-	3	3	2	11	11
Virginia.....	-	-	-	-	1	-	4	5	15	32	430	396
West Virginia.....	-	-	-	1	-	-	8	1	9	27	475	388
North Carolina.....	1	1	-	1	1	3	11	6	17	25	62	25
South Carolina.....	-	-	-	3	-	-	1	-	1	11	63	89
Georgia.....	-	-	-	6	-	-	1	-	1	2	2	-
Florida.....	-	1	-	8	1	1	10	12	22	24	171	105
EAST SOUTH CENTRAL.....	1	3	-	9	1	1	65	42	117	203	1,187	1,415
Kentucky.....	-	-	-	-	-	-	14	4	26	119	664	262
Tennessee.....	1	2	-	2	-	1	34	26	62	46	419	905
Alabama.....	-	1	-	7	-	-	11	6	17	17	61	105
Mississippi.....	-	-	-	-	1	-	6	6	12	21	43	143
WEST SOUTH CENTRAL.....	-	8	-	13	3	2	16	14	35	86	762	3,774
Arkansas.....	-	2	-	1	-	-	3	2	5	9	19	130
Louisiana.....	-	-	-	2	-	-	3	3	7	15	1	5
Oklahoma.....	-	2	-	5	-	-	1	-	1	2	24	108
Texas.....	-	4	-	5	3	2	9	9	22	60	718	3,531
MOUNTAIN.....	-	2	-	1	-	-	9	7	40	70	1,103	1,725
Montana.....	-	-	-	-	-	-	3	1	8	3	50	480
Idaho.....	-	-	-	-	-	-	-	5	10	173	42	-
Wyoming.....	-	-	-	-	-	-	-	-	-	2	-	-
Colorado.....	-	-	-	-	-	-	-	-	4	22	246	679
New Mexico.....	-	-	-	1	-	-	5	3	8	10	NN	NN
Arizona.....	-	1	-	-	-	-	-	-	11	15	488	306
Utah.....	-	1	-	-	-	-	1	3	4	10	100	213
Nevada.....	-	-	-	-	-	-	-	-	-	-	44	5
PACIFIC.....	-	3	-	1	15	4	57	74	134	149	1,836	3,584
Washington.....	-	-	-	1	-	-	11	14	28	23	334	1,261
Oregon.....	-	-	-	-	-	-	3	3	6	13	256	765
California.....	-	3	-	1	14	4	42	56	98	104	1,197	1,443
Alaska.....	-	-	-	-	-	-	1	1	2	6	31	41
Hawaii.....	-	-	-	-	-	-	-	-	-	3	18	74
Puerto Rico.....	-	-	-	8	-	-	19	1	20	28	10	212

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Table 3. CASES OF SPECIFIED NOTIFIABLE DISEASES. UNITED STATES
FOR WEEKS ENDED

MAY 4, 1963 AND MAY 5, 1962 - (Continued)

Area	Meningococcal Infections		Streptococcal Sore Throat & Scarlet Fever		Tetanus	Tickborne Typhus (Rocky Mt. Spotted)	Tularemia		Typhoid Fever		Rabies in Animals		
	18th wk.	Cumulative 18 weeks					18th wk.	18th wk.	18th wk.	18th wk.	18th week	18th week	Cumulative 18 weeks
			1963	1963	1963	1963	1963	1963	1963	1963	1962	1963	1963
UNITED STATES....	75	1,077	7,519	7,311	11	1	6	8	125	98	95	1,378	
NEW ENGLAND....	2	71	736	496	-	-	-	-	5	2	-	12	
Maine.....	1	11	14	13	-	-	-	-	-	-	-	1	
New Hampshire.....	-	2	2	12	-	-	-	-	-	2	-	7	
Vermont.....	-	2	1	27	-	-	-	-	1	-	-	4	
Massachusetts.....	1	34	164	90	-	-	-	-	3	-	-	-	
Rhode Island.....	-	6	52	14	-	-	-	-	-	-	-	-	
Connecticut.....	-	16	503	340	-	-	-	-	1	-	-	-	
MIDDLE ATLANTIC....	13	146	499	411	1	-	-	-	16	1	2	38	
New York.....	4	67	310	227	-	-	-	-	12	1	2	28	
New Jersey.....	2	23	120	74	-	-	-	-	1	-	-	-	
Pennsylvania.....	7	56	69	110	1	-	-	-	3	-	-	10	
EAST NORTH CENTRAL...	13	173	965	770	-	-	-	-	7	3	19	191	
Ohio.....	5	50	116	94	-	-	-	-	2	-	5	104	
Indiana.....	1	22	132	184	-	-	-	-	1	1	8	23	
Illinois.....	2	22	154	144	-	-	-	-	2	1	1	28	
Michigan.....	4	57	329	172	-	-	-	-	1	1	2	23	
Wisconsin.....	1	22	234	176	-	-	-	-	1	-	3	13	
WEST NORTH CENTRAL...	3	64	255	156	1	-	1	2	7	29	20	311	
Minnesota.....	-	11	20	38	-	-	-	1	2	6	8	84	
Iowa.....	-	3	91	69	1	-	-	-	1	11	8	111	
Missouri.....	-	25	4	10	-	-	-	1	4	5	3	57	
North Dakota.....	-	1	129	18	-	-	-	-	-	-	-	7	
South Dakota.....	-	4	3	8	-	-	-	-	-	6	1	44	
Nebraska.....	2	16	-	3	-	-	-	-	-	-	-	3	
Kansas.....	1	4	8	10	-	-	1	-	-	1	-	5	
SOUTH ATLANTIC....	7	202	557	870	5	-	-	3	26	15	11	237	
Delaware.....	-	1	6	9	-	-	-	-	1	-	-	-	
Maryland.....	-	29	43	25	-	-	-	3	-	-	-	-	
Dist. of Columbia..	1	4	-	-	-	-	-	-	-	-	-	-	
Virginia.....	-	51	212	134	-	-	-	3	4	6	8	88	
West Virginia.....	1	11	126	100	-	-	-	-	5	2	4	77	
North Carolina....	-	32	19	46	2	-	-	-	3	-	-	4	
South Carolina....	-	12	25	160	-	-	-	-	-	-	-	5	
Georgia.....	-	11	2	-	-	-	-	-	2	4	-	21	
Florida.....	5	51	124	396	3	-	-	3	9	5	1	42	
EAST SOUTH CENTRAL...	6	97	1,192	1,107	3	1	1	-	11	1	11	116	
Kentucky.....	-	29	138	108	-	1	-	-	2	-	8	54	
Tennessee.....	4	39	1,017	899	3	-	1	-	7	1	3	51	
Alabama.....	-	13	16	14	-	-	-	-	2	-	-	11	
Mississippi.....	2	16	21	86	-	-	-	-	-	-	-	-	
WEST SOUTH CENTRAL...	7	114	616	652	1	-	4	2	22	24	24	289	
Arkansas.....	2	7	14	7	-	-	2	1	9	1	1	20	
Louisiana.....	2	48	3	4	-	-	-	-	5	1	-	28	
Oklahoma.....	1	22	25	18	-	-	-	-	2	3	1	26	
Texas.....	2	37	574	623	1	-	2	1	6	19	22	215	
MOUNTAIN....	6	39	1,261	1,299	-	-	-	-	2	1	1	24	
Montana.....	-	2	24	62	-	-	-	-	-	-	-	-	
Idaho.....	2	3	133	101	-	-	-	-	-	-	-	-	
Wyoming.....	-	1	27	34	-	-	-	-	-	-	-	-	
Colorado.....	4	11	373	566	-	-	-	-	1	-	-	-	
New Mexico.....	-	2	346	244	-	-	-	-	1	-	-	12	
Arizona.....	-	6	201	177	-	-	-	-	-	1	1	12	
Utah.....	-	11	156	115	-	-	-	-	-	-	-	-	
Nevada.....	-	3	1	-	-	-	-	-	-	-	-	-	
PACIFIC....	18	171	1,438	1,550	-	-	-	1	29	22	7	160	
Washington.....	1	13	543	627	-	-	-	-	-	-	-	-	
Oregon.....	2	9	19	27	-	-	-	-	2	-	-	1	
California.....	13	139	703	861	-	-	-	1	25	22	7	150	
Alaska.....	1	5	78	22	-	-	-	-	-	-	-	9	
Hawaii.....	1	5	95	13	-	-	-	-	2	-	-	-	
Puerto Rico.....	-	4	39	3	-	-	-	-	3	-	1	5	

Table 4 (B). REPORTED PNEUMONIA-INFLUENZA DEATHS IN REPORTING CITIES

(Tables 4(A), 4(B), 4(C), and 4(D) will be published in sequence covering a four-week period.)^a

Area	For weeks ending				Area	For weeks ending			
	4/13	4/20	4/27	5/4		4/13	4/20	4/27	5/4
NEW ENGLAND:									
Boston, Mass.	7	8	7	6	SOUTH ATLANTIC:	Atlanta, Ga.	9	4	6
Bridgeport, Conn.	5	2	4	4	Baltimore, Md.	4	5	4	4
Cambridge, Mass.	0	1	0	0	Charlotte, N.C.	0	1	2	4
Fall River, Mass.	1	2	1	1	Jacksonville, Fla.	2	6	3	0
Hartford, Conn.	3	1	1	2	Miami, Fla.	0	2	0	0
Lowell, Mass.	1	5	4	2	Norfolk, Va.	2	1	3	2
Lynn, Mass.	2	0	1	3	Richmond, Va.	2	7	3	0
New Bedford, Mass.	1	2	1	1	Savannah, Ga.	7	2	0	4
New Haven, Conn.	0	0	1	2	St. Petersburg, Fla.	8	5	5	3
Providence, R.I.	1	0	3	1	Tampa, Fla.	2	4	0	2
Somerville, Mass.	1	0	2	1	Washington, D.C.	7	14	6	6
Springfield, Mass.	5	4	7	6	Wilmington, Del.	2	1	4	1
Waterbury, Conn.	1	0	1	1					
Worcester, Mass.	5	2	4	3					
MIDDLE ATLANTIC:									
Albany, N.Y.	0	5	2	3	EAST SOUTH CENTRAL:	Birmingham, Ala.	3	0	2
Allentown, Pa.	3	2	3	2	Chattanooga, Tenn.	10	7	2	1
Buffalo, N.Y.	3	5	7	7	Knoxville, Tenn.	3	1	3	2
Camden, N.J.	1	3	2	1	Louisville, Ky.	7	10	8	17
Elizabeth, N.J.	0	0	0	0	Memphis, Tenn.	6	9	7	5
Erie, Pa.	4	2	4	3	Mobile, Ala.	2	1	1	2
Jersey City, N.J.	3	6	5	8	Montgomery, Ala.	3	2	1	1
Newark, N.J.	3	1	4	2	Nashville, Tenn.	17	3	2	1
New York City, N.Y.	70	77	72	68					
Paterson, N.J.	1	2	2	2	WEST SOUTH CENTRAL:	Austin, Tex.	9	4	5
Philadelphia, Pa.	13	12	15	12	Baton Rouge, La.	0	3	4	3
Pittsburgh, Pa.	6	7	5	11	Corpus Christi, Tex.	1	0	1	0
Reading, Pa.	7	1	3	1*	Dallas, Tex.	4	5	2	4
Rochester, N.Y.	15	12	14	15	El Paso, Tex.	2	2	1	0
Schenectady, N.Y.	2	2	2	1	Fort Worth, Tex.	1	1	0	0
Scranton, Pa.	3	5	4	2	Houston, Tex.	4	6	3	6
Syracuse, N.Y.	0	1	2	0	Little Rock, Ark.	7	7	5	2
Trenton, N.J.	3	9	2	9	New Orleans, La.	7	6	8	0
Utica, N.Y.	1	1	0	1	Oklahoma City, Okla.	3	2	2	0
Yonkers, N.Y.	3	2	0	2	San Antonio, Tex.	11	4	4	3
EAST NORTH CENTRAL:									
Akron, Ohio.	1	1	0	1	Shreveport, La.	10	6	16	6
Canton, Ohio.	3	8	3	4	Tulsa, Okla.	3	2	4	2
Chicago, Ill.	23	44	37	35					
Cincinnati, Ohio.	4	4	3	7	MOUNTAIN:	Albuquerque, N. Mex.	2	5	4
Cleveland, Ohio.	2	3	9	3	Colorado Springs, Colo.	4	3	2	2
Columbus, Ohio.	3	7	2	2	Denver, Colo.	8	14	5	6
Dayton, Ohio.	2	2	1	4	Ogden, Utah.	0	1	3	0
Detroit, Mich.	12	10	16	16	Phoenix, Ariz.	4	5	4	3
Evansville, Ind.	2	5	2	3	Pueblo, Colo.	0	1	0	0
Flint, Mich.	7	8	4	2	Salt Lake City, Utah.	3	3	6	2
Fort Wayne, Ind.	4	6	4	2	Tucson, Ariz.	2	1	2	1
Gary, Ind.	3	1	3	0					
Grand Rapids, Mich.	1	1	2	3	PACIFIC:	Berkeley, Calif.	0	0	0
Indianapolis, Ind.	5	3	4	7	Fresno, Calif.	2	3	2	4
Madison, Wis.	0	0	0	0	Glendale, Calif.	1	0	2	1
Milwaukee, Wis.	1	1	1	2	Honolulu, Hawaii.	0	0	1	0
Peoria, Ill.	0	0	0	1	Long Beach, Calif.	0	1	2	0
Rockford, Ill.	3	4	3	3	Los Angeles, Calif.	29	19	17	22
South Bend, Ind.	4	1	4	2	Oakland, Calif.	5	4	1	3
Toledo, Ohio.	5	3	2	4	Pasadena, Calif.	0	1	0	0
Youngstown, Ohio.	2	1	2	0	Portland, Oreg.	3	8	3	3
WEST NORTH CENTRAL:									
Des Moines, Iowa.	4	1	3	0	Sacramento, Calif.	7	5	4	3
Duluth, Minn.	0	0	0	0	San Diego, Calif.	8	9	1	3
Kansas City, Kans.	4	7	4	4	San Francisco, Calif.	4	7	7	9
Kansas City, Mo.	6	6	4	4	San Jose, Calif.	10	2	6	6
Lincoln, Nebr.	2	1	3	7	Seattle, Wash.	7	3	0	6
Minneapolis, Minn.	5	6	3	3	Spokane, Wash.	3	3	1	2
Omaha, Nebr.	1	2	3	0	Tacoma, Wash.	0	3	0	0
St. Louis, Mo.	13	12	10	5	San Juan, P.R.	3	1	0	2
St. Paul, Minn.	2	5	3	5					
Wichita, Kans.	4	3	9	4					

*Estimate - based on average percent of divisional total.
Totals for previous weeks include reported corrections.

NOTE: All deaths by place of occurrence.

°Current Week Mortality for 108 Selected Cities

4(A) Total Mortality, all ages..... 11,769
 4(B) Pneumonia-Influenza Deaths, all ages..... 457
 4(C) Total Deaths under 1 Year of Age..... 817
 4(D) Total Deaths, Persons 65 years and over..... 6,519



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Morbidity and Mortality Weekly Report

Food-Borne Disease Outbreaks of Unknown Etiology - 1961 - Summary (Completed)

Summarized below are the remaining 34 outbreaks of food-borne disease of unknown etiology reported during 1961.

Seven of these, noted by asterisks, were listed in previous issues of MMWR as due to *Staphylococcus enterotoxin*. However, these were not laboratory confirmed and have been placed in the unknown etiology category.

The present listing completes the food-borne disease outbreaks reported between January 1 and December 31, 1961.

INTERNATIONAL NOTES - QUARANTINE MEASURES

Immunization Information for International Travel

1962 Edition

Public Health Service Publication No. 384

The following information should be added to the list of Yellow Fever Vaccination Centers in Section 6:

CITY:	Chattanooga, Tennessee
CENTER:	Chattanooga-Hamilton County Health Department 921 East Third Street Tel. 265-2581
CLINIC HOURS:	Wednesday, 2 p.m., by appointment
FEE:	Yes

OUTBREAK NUMBER	DATE	STATE	MEAL	NUMBER EATING	SUSPECTED VEHICLE	ILL.	PLACE PREPARED	INCUBATION RANGE	REPORTED BY
63	9/18/61	Maine	Unk.	16	Milk Formula	16	Hospital Nursery	13-20 hours	W. J. Corbett, D. Fisher
63	9/25/61	New York	Unknown	19	Unknown	19	College Kitchen	14 hours	M. G. Grimes, D. Fisher
64	10/3/61	New York	Unk.	46	Roast Turkey	46	Hospital Kitchen	6-7 1/2 hours	M. S. Rosen, V. L. Oliver
65	10/5/61	Calif.	Unk.	3	Unknown	3	Hospital Kitchen	13-18 hours	B. Dalton, V. L. Oliver
66	10/17/61	New York	Unk.	30	Turkey Casserole	30	Hospital Kitchen	4-12 hours	M. Gohar, N. J. Flumero
67	10/29/61	Mass.	Unk.	12	Roast Turkey	12	Frenchmen's Kitchen	11-18 hours	D. S. Fleming
68	10/29/61	Mass.	Unk.	52	Roast Turkey	52	Nursing Home	11-18 hours	F. A. Lutnick
69	10/30/61	Mass.	Unk.	30	Barbecued Chicken	30	Restaurant	2-12 hours	H. Hyett, A. Ross
70	11/2/61	Calif.	Unk.	3	Turkey Salad	3	Restaurant	1 1/3 - 2 hours	F. A. Lutnick
71	11/4/61	Calif.	4	4	Unknown	26	Hotel Kitchen	14 hours	W. Banks
72	11/5/61	Ohio	1,400	1,400	Unknown	35	Commercial Kitchen	21 1/2 hours	Control Information, Vol. III, No. 9, 11/30/61
73	11/7/61	Ohio	65	65	Hot Dogs	26	Commercial Kitchen	24-180 hours	F. W. Scott
74	11/12/61	Ohio	28	28	Egg Salad Sandwiches	26	Sandwich Truck	15 min.-1 hour	J. D. Nash
75	11/12/61	Calif.	Unk.	1	Unk.	1	School Kitchen	15 hours +	F. R. Kroger
76	11/22/61	Calif.	Unk.	475	Turkey	46	School Kitchen	6-12 hours	C. M. Cooper
77	11/23/61	Calif.	Unk.	20	Turkey and Dressing	300+	Home	13-12 hours	F. R. Kroger
78	11/23/61	Calif.	Unk.	16	Thanksgiving Dinner (Unk.)	20	Home	8-12 hours	F. R. Kroger
79	12/5/61	Maine	Unk.	11	Turkey	11	Home	8-12 hours	F. R. Kroger
80	12/5/61	Kentucky	Unk.	100	Unknown	100	School Kitchen	14-73 hours	G. Brown, D. Fisher
81	12/12/61	Mass.	Unk.	62	Turkey and Dressing	62	School Kitchen	12 1/2 - 16 1/2 hrs.	J. C. Tread, B. Russell
82	12/12/61	Mass.	Unk.	84	Yams and Gravy	84	School Kitchen	12 1/2 - 16 1/2 hrs.	R. F. White, R. S. Heidtcock
83	12/12/61	Mass.	Unk.	5	Unk.	5	School Kitchen	3-11 hours	H. Reeves, D. Fisher
84	12/12/61	Mass.	Unk.	14	Unk.	14	School Kitchen	2-12 hours	J. Tereskow, V. L. Oliver
85	12/12/61	Mass.	Unk.	9	Turkey Dressing	9	Home	Unknown	D. Deisen, D. Fisher
86	12/12/61	Mass.	Unk.	51	Unk.	51	Commercial Kitchen	Immediately	F. A. Lutnick
87	12/12/61	Mass.	Unk.	3	Drinking Punch	3	School Cafeteria	5 min.-5 hours	F. A. Lutnick
88	12/12/61	Mass.	Unk.	35	Horizon Punch	35	Theatre Stand	4-10 min.	H. Myra, B. Bruce
89	12/12/61	Mass.	Unk.	4	Salt Drink	4	Restaurant	4-6 hours	F. A. Lutnick
90	12/12/61	Mass.	Unk.	10	Hot Dogs	10	Restaurant	4 hours	E. F. Bell
91	12/12/61	Mass.	Unk.	3	Chicken Salad	3	Restaurant	3 1/2 hours	J. Snider, L. Reinholtz
92	12/12/61	Mass.	Unk.	20	Beef and Bacon	20	Restaurant	3 3/2 hours	F. A. Lutnick
93	12/12/61	Mass.	Unk.	3	Beef and Barbecue	3	Restaurant	4-12 hours	A. S. Baker
94	12/12/61	Mass.	Unk.	1	Field Rice	1	School Kitchen	5-6 hours	J. C. Cook
95	12/12/61	Mass.	Unk.	19	Spaghetti with Meat Souce	19	Church Super	Median 14 hours	C. G. Tuck
96	12/12/61	Mass.	Unk.	1	Uncertain	1	School Kitchen		
97	12/12/61	Mass.	Unk.	125	Turkey, Dressing, or Gravy	125	Unk.		
98	12/12/61	Mass.	Unk.	96	Turkey, Dressing, or Gravy	96			
99	12/12/61	Mass.	Unk.	1		1			
100	12/12/61	Mass.	Unk.	1		1			
101	12/12/61	Mass.	Unk.	1		1			
102	12/12/61	Mass.	Unk.	1		1			
103	12/12/61	Mass.	Unk.	1		1			
104	12/12/61	Mass.	Unk.	1		1			
105	12/12/61	Mass.	Unk.	1		1			
106	12/12/61	Mass.	Unk.	1		1			
107	12/12/61	Mass.	Unk.	1		1			
108	12/12/61	Mass.	Unk.	1		1			
109	12/12/61	Mass.	Unk.	1		1			
110	12/12/61	Mass.	Unk.	1		1			
111	12/12/61	Mass.	Unk.	1		1			
112	12/12/61	Mass.	Unk.	1		1			
113	12/12/61	Mass.	Unk.	1		1			
114	12/12/61	Mass.	Unk.	1		1			
115	12/12/61	Mass.	Unk.	1		1			
116	12/12/61	Mass.	Unk.	1		1			
117	12/12/61	Mass.	Unk.	1		1			
118	12/12/61	Mass.	Unk.	1		1			
119	12/12/61	Mass.	Unk.	1		1			
120	12/12/61	Mass.	Unk.	1		1			
121	12/12/61	Mass.	Unk.	1		1			
122	12/12/61	Mass.	Unk.	1		1			
123	12/12/61	Mass.	Unk.	1		1			
124	12/12/61	Mass.	Unk.	1		1			
125	12/12/61	Mass.	Unk.	1		1			
126	12/12/61	Mass.	Unk.	1		1			
127	12/12/61	Mass.	Unk.	1		1			
128	12/12/61	Mass.	Unk.	1		1			
129	12/12/61	Mass.	Unk.	1		1			
130	12/12/61	Mass.	Unk.	1		1			
131	12/12/61	Mass.	Unk.	1		1			
132	12/12/61	Mass.	Unk.	1		1			
133	12/12/61	Mass.	Unk.	1		1			
134	12/12/61	Mass.	Unk.	1		1			
135	12/12/61	Mass.	Unk.	1		1			
136	12/12/61	Mass.	Unk.	1		1			
137	12/12/61	Mass.	Unk.	1		1			
138	12/12/61	Mass.	Unk.	1		1			
139	12/12/61	Mass.	Unk.	1		1			
140	12/12/61	Mass.	Unk.	1		1			
141	12/12/61	Mass.	Unk.	1		1			
142	12/12/61	Mass.	Unk.	1		1			
143	12/12/61	Mass.	Unk.	1		1			
144	12/12/61	Mass.	Unk.	1		1			
145	12/12/61	Mass.	Unk.	1		1			
146	12/12/61	Mass.	Unk.	1		1			
147	12/12/61	Mass.	Unk.	1		1			
148	12/12/61	Mass.	Unk.	1		1			
149	12/12/61	Mass.	Unk.	1		1			
150	12/12/61	Mass.	Unk.	1		1			
151	12/12/61	Mass.	Unk.	1		1			
152	12/12/61	Mass.	Unk.	1		1			
153	12/12/61	Mass.	Unk.	1		1			
154	12/12/61	Mass.	Unk.	1		1			
155	12/12/61	Mass.	Unk.	1		1			
156	12/12/61	Mass.	Unk.	1		1			
157	12/12/61	Mass.	Unk.	1		1			
158	12/12/61	Mass.	Unk.	1		1			
159	12/12/61	Mass.	Unk.	1		1			
160	12/12/61	Mass.	Unk.	1		1			
161	12/12/61	Mass.	Unk.	1		1			
162	12/12/61	Mass.	Unk.	1		1			
163	12/12/61	Mass.	Unk.	1		1			
164	12/12/61	Mass.	Unk.	1		1			
165	12/12/61	Mass.	Unk.	1		1			
166	12/12/61	Mass.	Unk.	1		1			
167	12/12/61	Mass.	Unk.	1		1			
168	12/12/61	Mass.	Unk.	1		1			
169	12/12/61	Mass.	Unk.	1		1			
170	12/12/61	Mass.	Unk.	1		1			
171	12/12/61	Mass.	Unk.	1		1			
172	12/12/61	Mass.	Unk.	1		1			
173	12/12/61	Mass.	Unk.	1		1			
174	12/12/61	Mass.	Unk.	1		1			
175	12/12/61	Mass.	Unk.	1		1			
176	12/12/61	Mass.	Unk.	1		1			
177	12/12/61	Mass.	Unk.	1		1			
178	12/12/61	Mass.	Unk.	1		1			
179	12/12/61	Mass.	Unk.	1		1			
180	12/12/61	Mass.	Unk.	1		1			
181	12/12/61	Mass.	Unk.	1		1			
182	12/12/61	Mass.	Unk.	1		1			
183	12/12/61	Mass.	Unk.	1		1			
184	12/12/61	Mass.	Unk.	1		1			
185	12/12/61	Mass.	Unk.	1		1			
186	12/12/61	Mass.	Unk.	1		1			
187	12/12/61	Mass.	Unk.	1		1			
188	12/12/61	Mass.	Unk.	1		1			
189	12/12/61	Mass.	Unk.	1		1			
190	12/12/61	Mass.	Unk.	1		1			
191	12/12/61	Mass.	Unk.	1		1			
192	12/12/61	Mass.	Unk.	1		1			
193	12/12/61	Mass.	Unk.	1		1			
194	12/12/61	Mass.	Unk.	1		1			
195	12/12/61	Mass.	Unk.	1		1			
196	12/12/61	Mass.	Unk.	1		1			
197	12/12/61	Mass.	Unk.	1		1			
198	12/12/61	Mass.	Unk.	1		1			
199	12/12/61	Mass.	Unk.	1		1			
200	12/12/61	Mass.	Unk.	1		1			
201	12/12/61	Mass.	Unk.	1		1			
202	12/12/61	Mass.	Unk.	1		1			
203	12/12/61	Mass.	Unk.	1		1			
204	12/12/61	Mass.	Unk.	1		1			
205	12/12/61	Mass.	Unk.	1		1			
206	12/12/61	Mass.	Unk.	1		1			
207	12/12/61	Mass.	Unk.	1		1			
208	12/12/61	Mass.	Unk.	1		1			
209	12/12/61	Mass.	Unk.	1		1			
210	12/12/61	Mass.	Unk.	1		1			
211	12/12/61	Mass.	Unk.	1		1			
212	12/12/61</								